

CLAIMS

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1. A supporting and fastening arrangement for contact wires comprising a preferably one-piece elongate support portion (28, 84) which can be fixed by means of suitable fastening means (42, 64, 86) to a mast, a pipe, a house wall or the like, and a coupling element (12, 52, 64, 86; 130, 138) for connecting the support portion (28) to a bracing tube or the like, wherein the support portion (28) has a preferably central first opening and/or recess (38) which is provided to co-operate with a matching connecting portion (36, 132) of the coupling element and which is adapted to make a connection which can be plugged in and released and which is secured in respect of rotation and which is fixed when placed under a tensile and/or pressure loading.

2. An arrangement as set forth in claim 1 characterised in that the support portion has a profile which at least in a portion-wise manner is of a double-T-shaped configuration and which has on both sides of a front (46) and a rearward (48) longitudinal slot a pair of side portions (50) with an edge configuration which is rounded in the direction in which the longitudinal slots (46, 48) extend.

a 3. An arrangement as set forth in claim 1 or claim 2 characterised in that at the end, at least at one end, the support portion has a slot (42) forming a second opening which is disposed in the plane of the first opening (38).

a 4. An arrangement as set forth in ^{claim 1} ~~one of claims 1 through 3~~ characterised in that in the region of the first opening the support portion has a recess which preferably extends perpendicularly to the direction in which the support portion extends and which is such that in a condition of

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connection to the coupling element a portion of the coupling element engages into the recess and additionally fixes the coupling element.

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~~claim 1~~
5. An arrangement as set forth in ~~one of claims 1 through 4~~ characterised in that the coupling element is in the form of a receiving holder (12) for the support portion (28) and has a receiving portion (16) for insertion and positively locking retention of the support portion and a pivot portion (14) fitted thereto, for connection to a counterpart coupling portion (10).

6. An arrangement as set forth in claim 5 characterised in that the receiving portion and the pivot portion are in one piece.

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7. An arrangement as set forth in claim 5 ~~or claim 6~~ characterised in that the coupling element is in the form of a yoke-shaped holder (52) which to provide the receiving portion embraces the support portion (28) in a U-shape in the region of the first opening and is adapted to provide the pivot portion for receiving a rotary pivot part (20) at open leg ends (58) of the holder (52).

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~~claim 1~~
8. An arrangement as set forth in ~~one of claims 1 through 7~~ characterised by a U-shaped fork element (64) which is such that, with a central connecting portion (89), it can be fitted non-rotatably into longitudinal slots (46, 48) of the support portion (28) and can also be fixed by means of a sleeve element (70) to a tube end.

9. An arrangement as set forth in claim 8 characterised in that free legs (90) of the fork element (64) are of such dimensions that in an assembled condition they project through the first opening (38) and/or the longitudinal slots and non-rotatably fix the fork element when under a tensile loading relative to the support portion (28).

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10. An arrangement as set forth in ~~one of claims 1 through 9~~ ^{claim 1} characterised by a bar element (86) which is such that it can be non-rotatably fitted into longitudinal slots (46, 48) of the support portion (28) and can also be fixed by means of a sleeve element (70) to a tube end.

11. An arrangement as set forth in claim 10 characterised in that a bar portion of the bar element (60) is of such dimensions that in an assembled condition it projects through the first opening and/or the longitudinal slots and non-rotatably fixes the bar element when under a tensile loading relative to the support portion (28).

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12. An arrangement as set forth in ~~one of claims 1 through 11~~ ^{claim 1} characterised in that the support portion (28) is adapted for jointly co-operating with at least one fork element as set forth in claim 10 and at least one bar element as set forth in claim 12.

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13. An arrangement as set forth in ~~one of claims 8 through 12~~ ^{claim 8} characterised in that the fork element and/or the bar element has at the bottom a female screwthread (146).

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14. A coupling element, in particular for use in a supporting and fastening arrangement as set forth in ~~one of claims 1 through 13~~ ^{in claim 1} characterised by a yoke-shaped pivot portion which is adapted for connection to a counterpart coupling portion and which has a recess (138) which is formed parallel to a pivot axis of the pivot portion and which is in opposite relationship to the counterpart coupling portion and which is such that the coupling element can be fixed thereby to a mast, pipe or the like support in a direction extending parallel to the pivot axis, wherein formed adjacent to the pivot portion is at least one fastening portion (140) which is to be attached in one-piece relationship, for such a fixing.